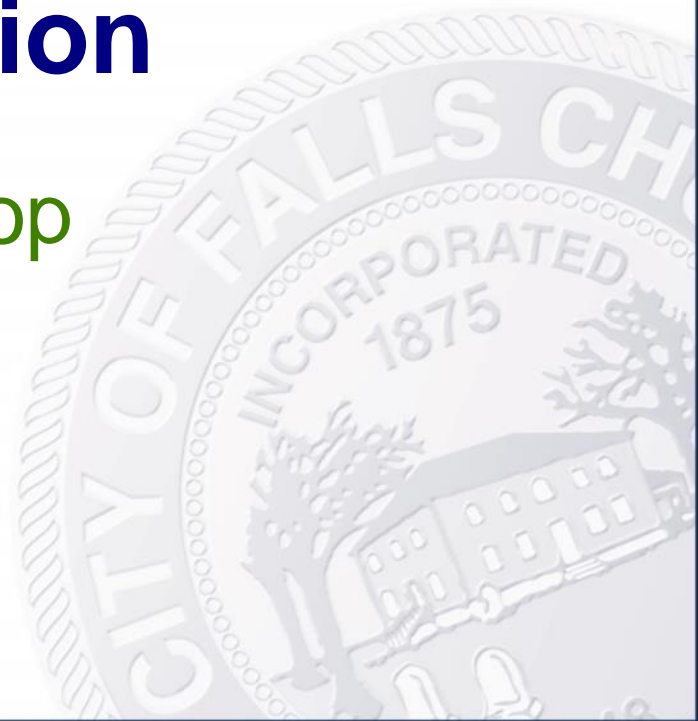


Bicycle Master Plan Implementation

**Public Workshop
May 7, 2016**



Vision: Providing Travel Choices

Mobility for all Modes:

Provide for the safe movement of people and goods within and through the City via a transportation network that connects to the regional transportation network, offers choices in travel modes, supports economic activity, is sensitive to the environment, and provides equitable access for all City residents, workers, and visitors.



Why Support Biking?

- **Public health** - Physical activity
- **Environment** - Reduction in energy usage and vehicle emissions
- **Economic** - Reduction in transportation costs
- **Equity** - Means of transportation for those who don't drive



What's the Potential for Biking?

- Bicycle commuting is on the rise
 - Bicycle trips to work as a mode share doubled between 2000 and 2012 in the Washington Metropolitan Statistical Area (0.3% to 0.6%)
- Many trips are a bike-able distance
 - 17% of all commute trips in the Washington region are less than five miles

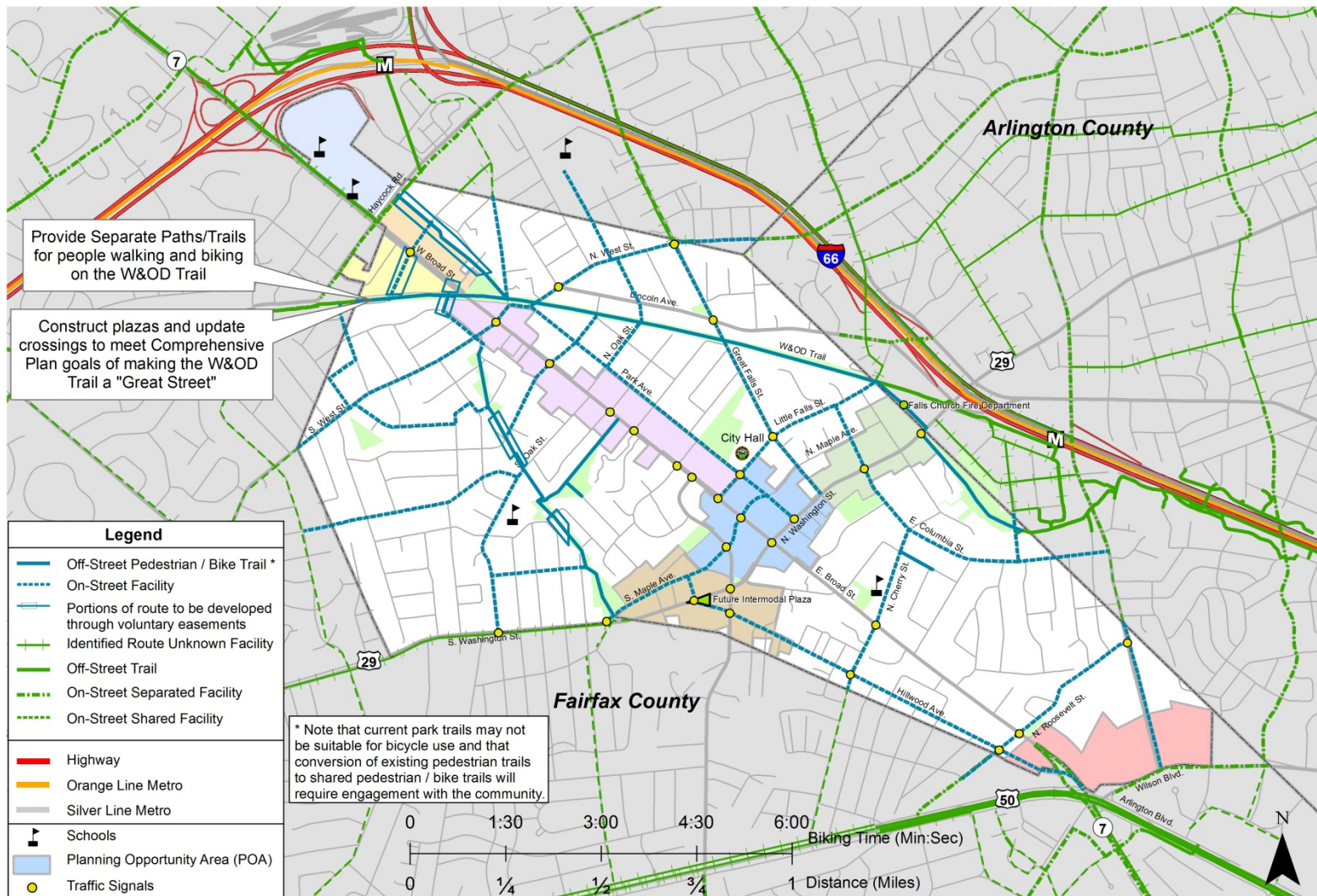
Vision: Making Connections

Bicycle Master Plan:

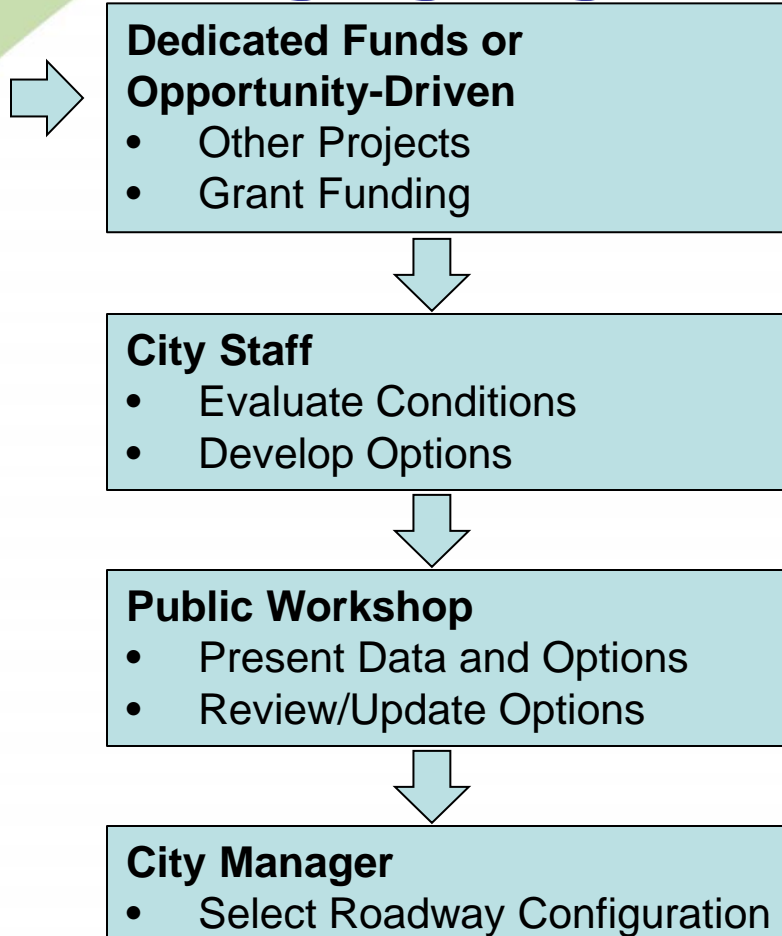
Provide a network of bicycle routes that connects the City's commercial areas and neighborhoods, transit facilities, schools, regional bicycle facilities, and designated bicycle routes in neighboring jurisdictions



Future Bike Routes

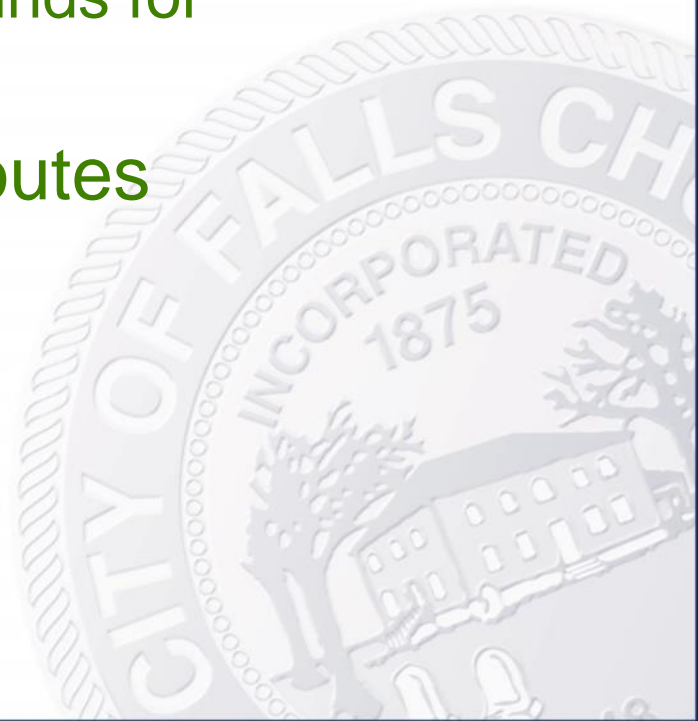


Implementing Routes Engaging the Community



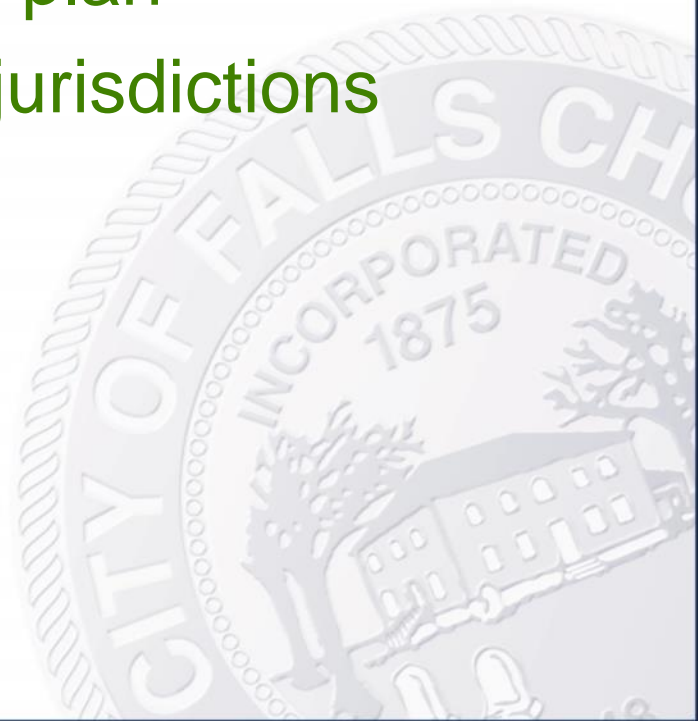
Why Now, Spring 2016?

- On July 13, 2015, City Council adopted the [Bicycle Master Plan](#).
 - \$25,000 in Fiscal Year 2016 funds for implementation.
- Funding sufficient for three routes



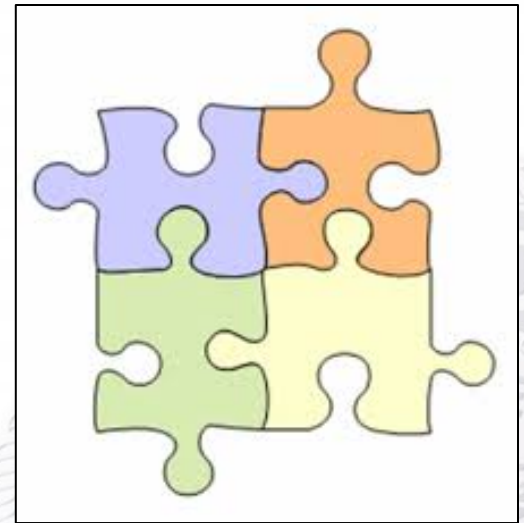
Selecting Routes

- Refresh existing routes
- Align routes with the adopted plan
- Coordinate with neighboring jurisdictions

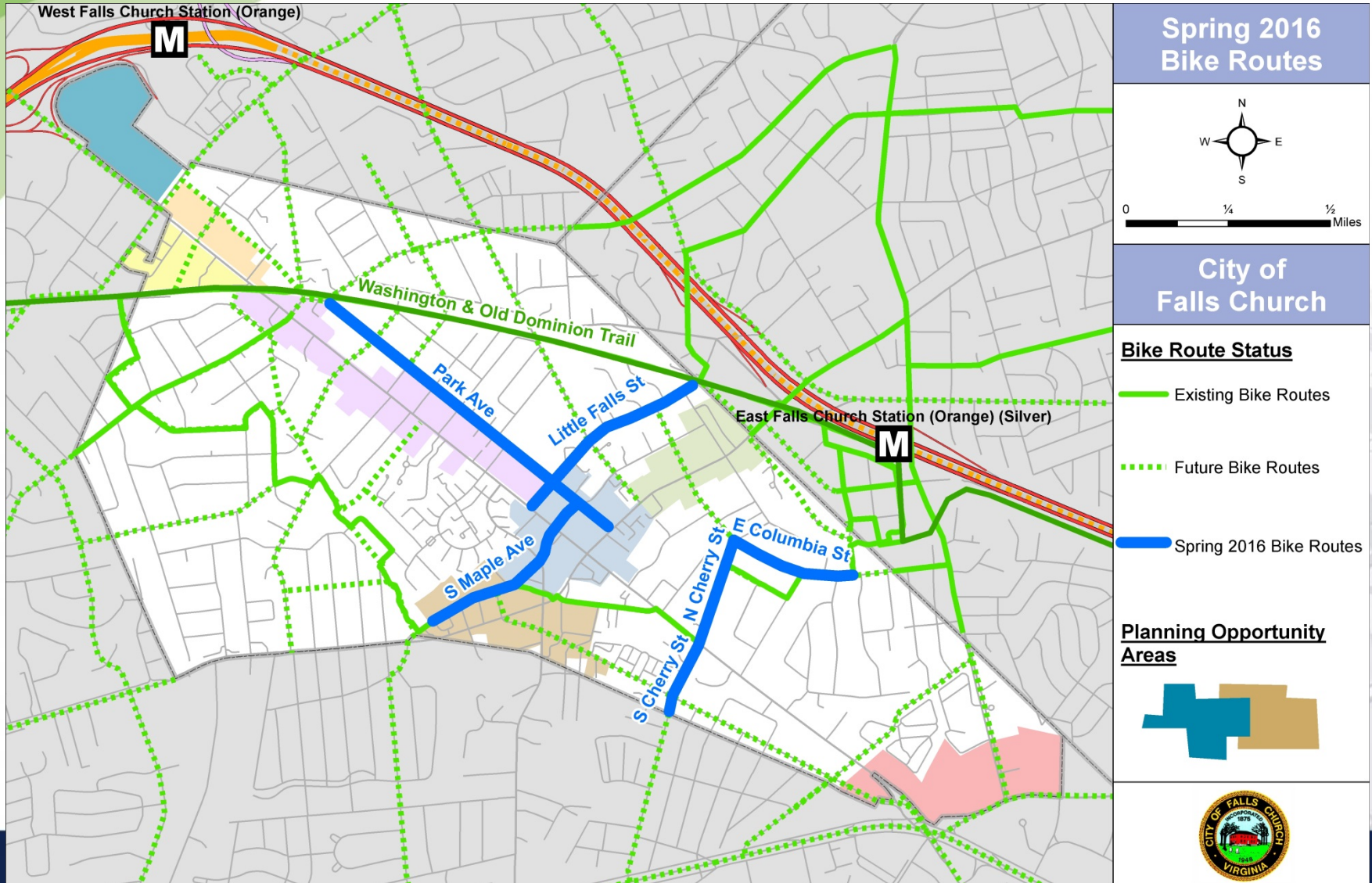


Applying the Methodology

- **Refresh Existing**
 - Park Ave
- **Align with Master Plan**
 - Little Falls & Maple
- **Coordinate with neighboring jurisdictions**
 - Cherry Street
 - Coordinate with Fairfax County and Arlington County on access to East Falls Church Metro

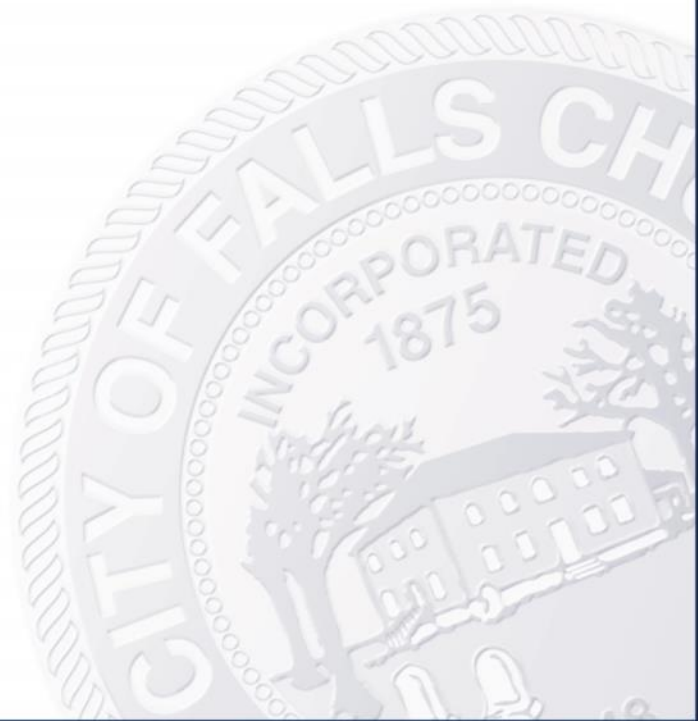


Mapping the Routes



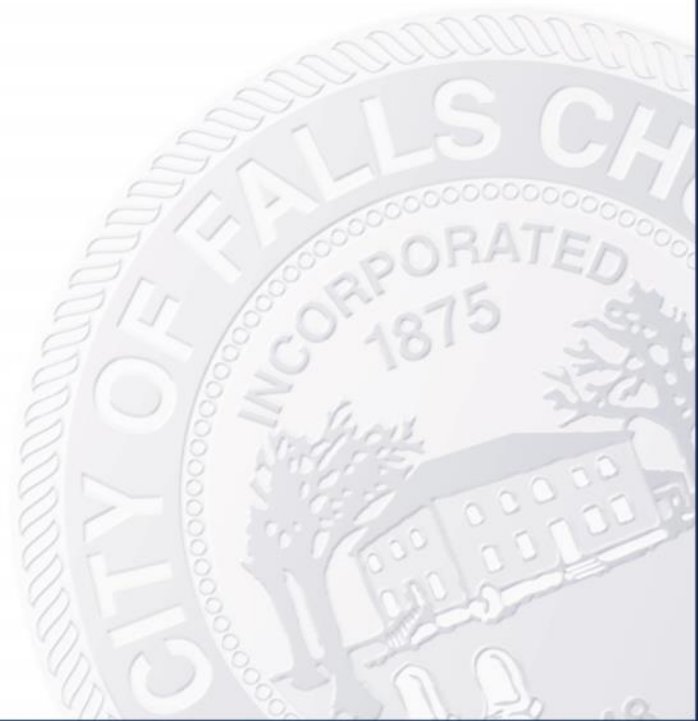
How Does Staff Brainstorm?

- Assess existing conditions
 - Street width
 - Parking utilization
- Test fit different facilities



Bicycle Facilities

- Conventional bike lane
- Buffered bike lane
- Bike boxes
- Sharrows
- Wayfinding and signage



Shared Lane Markings “Sharrows”

- Alert people driving to expected bicycle traffic
- Guide people biking to the safest place to travel
 - Easily visible
 - Outside “door zone”



Conventional Bike Lane

- Physically separates bike travel
- 5 to 6 feet wide



Buffered Bike Lane

- Provide space between different modes
- Buffer 2-3 feet wide



Bike Boxes

- Positions people biking at the front of the queue
- Safety - increases visibility and decreases crashes
- Public health - reduces exhaust inhalation



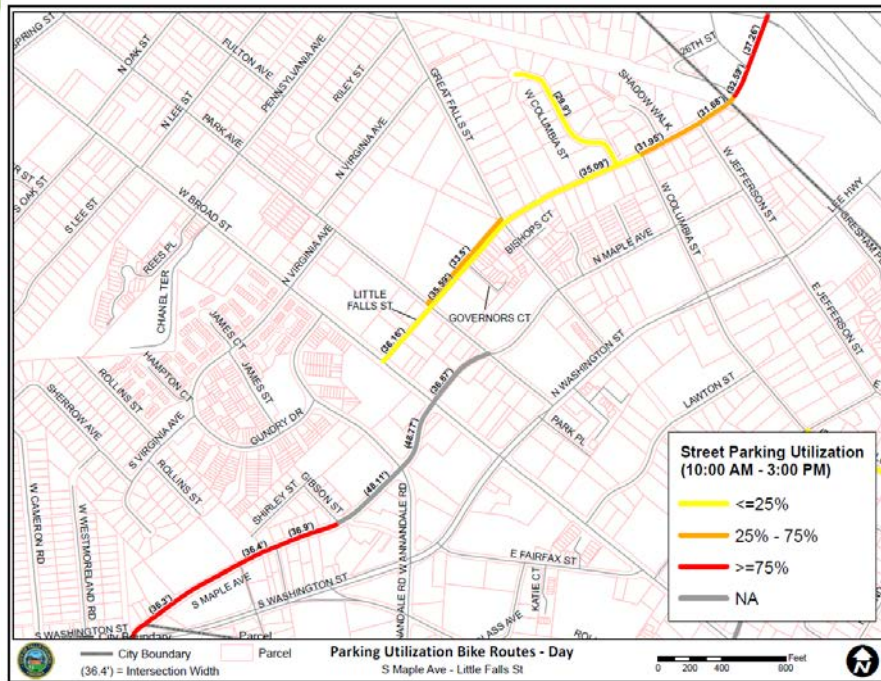
Wayfinding and Signage

- Guide people to destinations
- Types of signs
 - Route
 - Decision
 - Confirmation

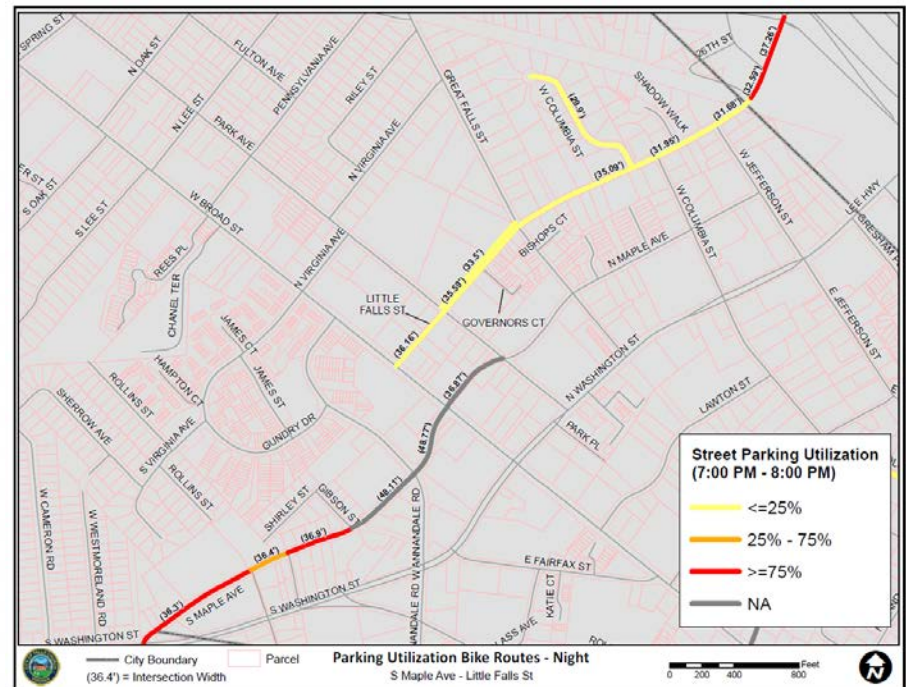


Existing Conditions Little Falls & Maple Route

Daytime Parking Utilization

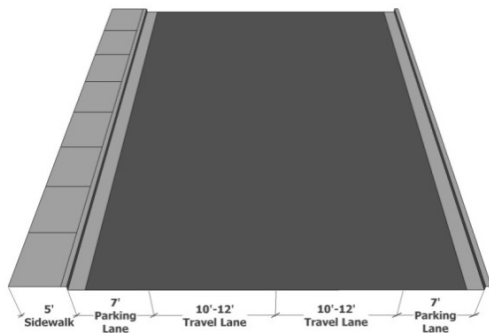


Evening Parking Utilization

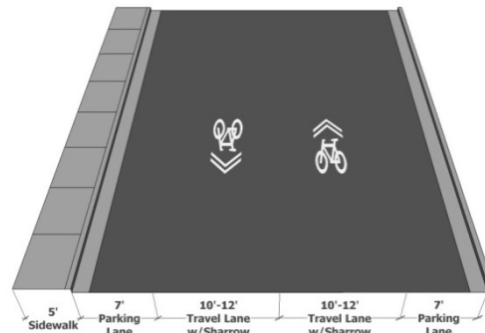


Little Falls St between W&OD Trail and Great Falls St

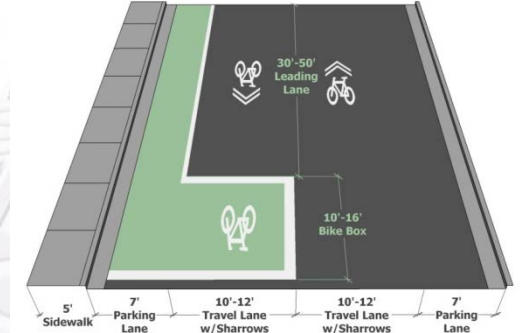
Maintain Existing



Add Sharrows

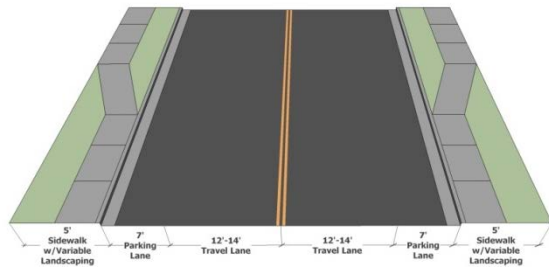


Add Bike Box

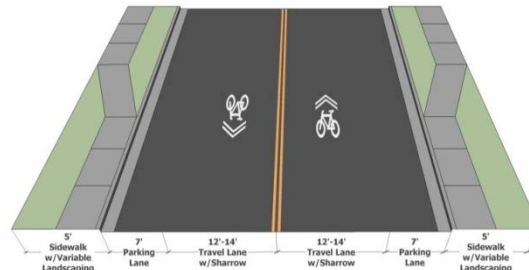


Little Falls St between Great Falls St and W Broad St

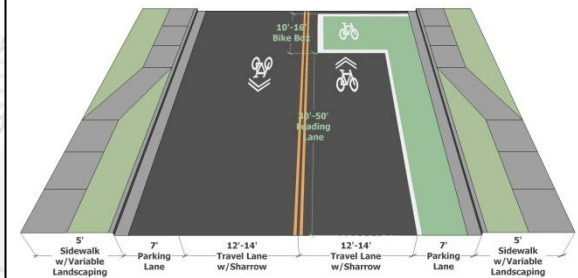
Maintain Existing



Add Sharrows

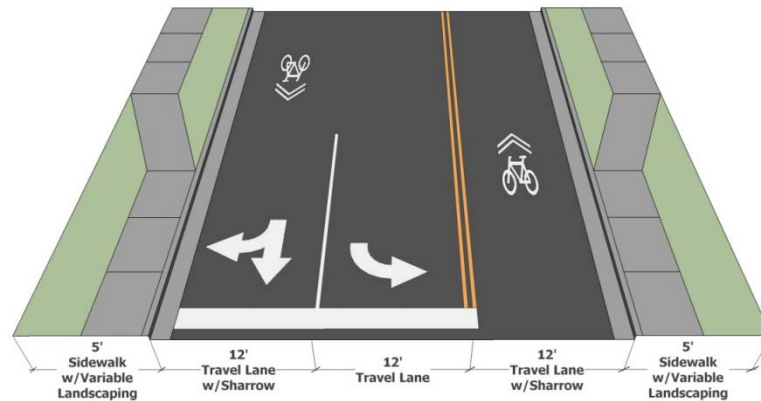


Add Bike Box



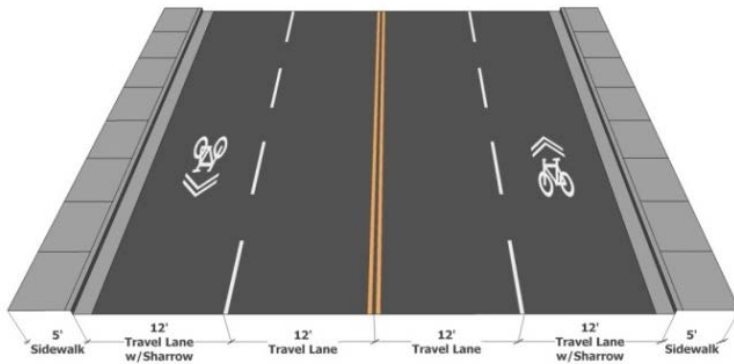
N Maple Ave between Park and W Broad St

Maintain Existing

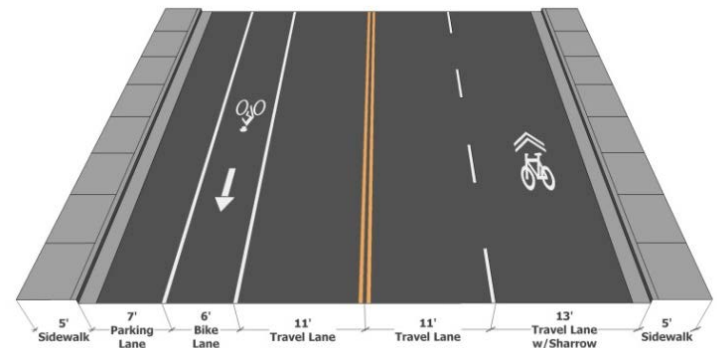


S Maple Ave between W Broad St and Annandale Rd

Refresh Existing Sharrows

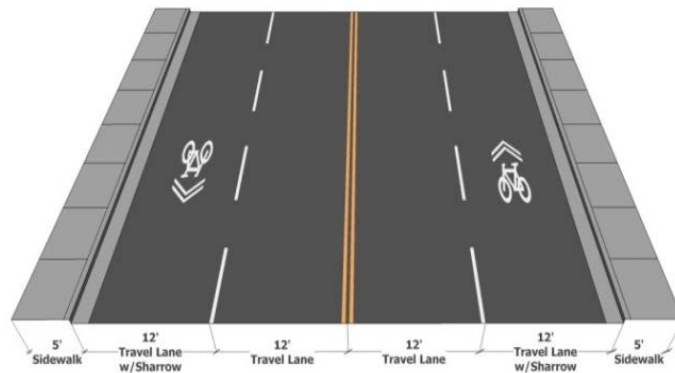


Add Bike Lane with Parking

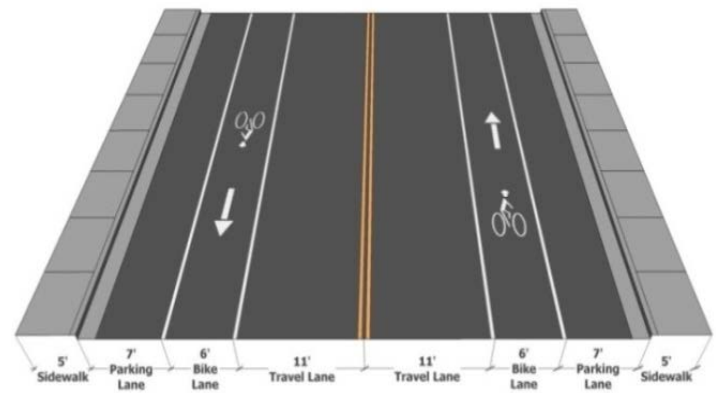


S Maple Ave between Annandale Rd and Gibson St

Refresh Existing Sharrows

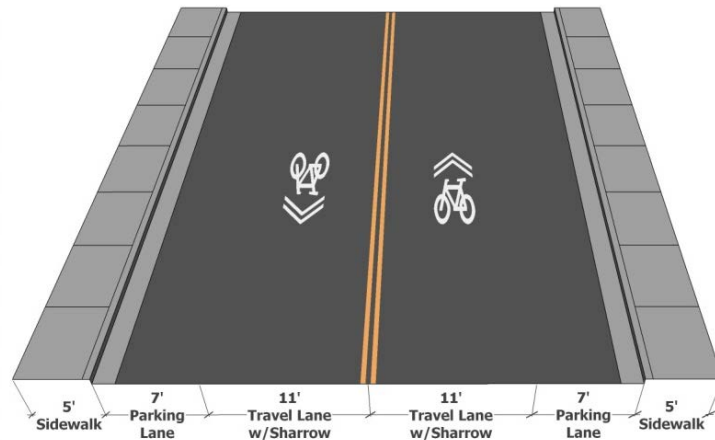


Add Bike Lane with Parking



S Maple Ave between Gibson St and Cavalier Trail

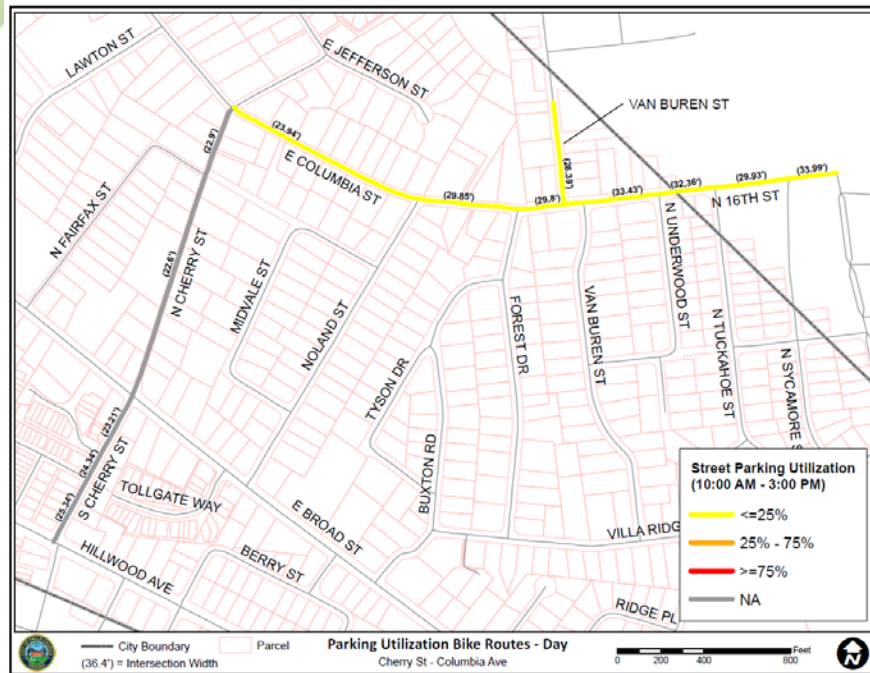
Refresh Existing Sharrows



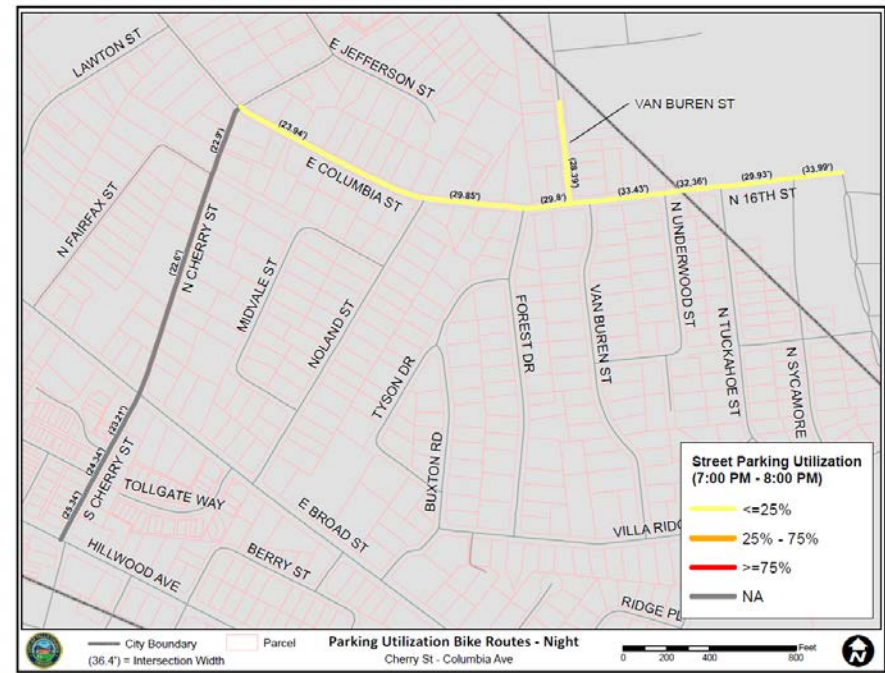
Existing Conditions

Cherry St Route

Daytime Parking Utilization

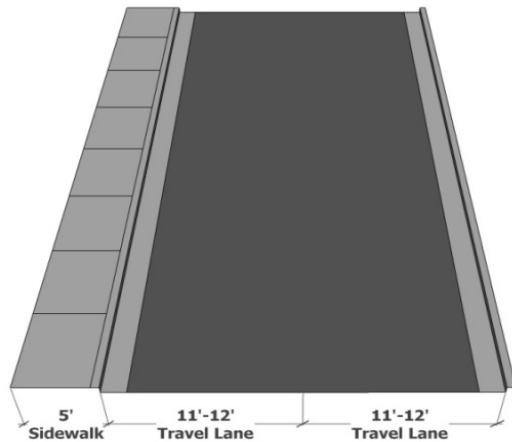


Evening Parking Utilization

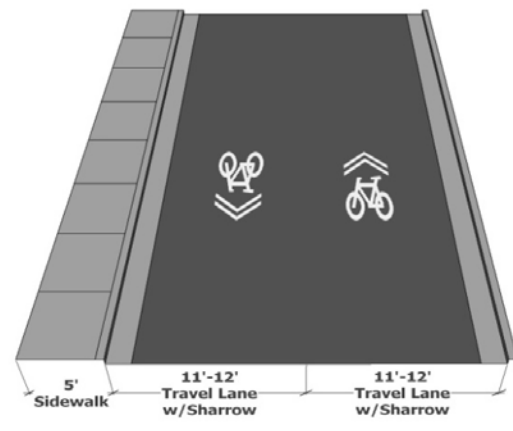


Cherry Street

Maintain
Existing

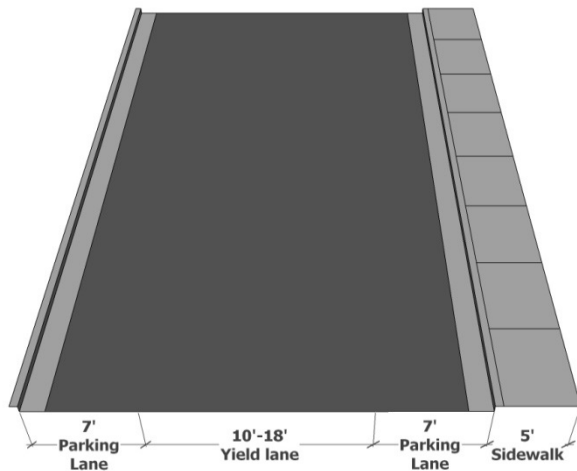


Add
Sharrows

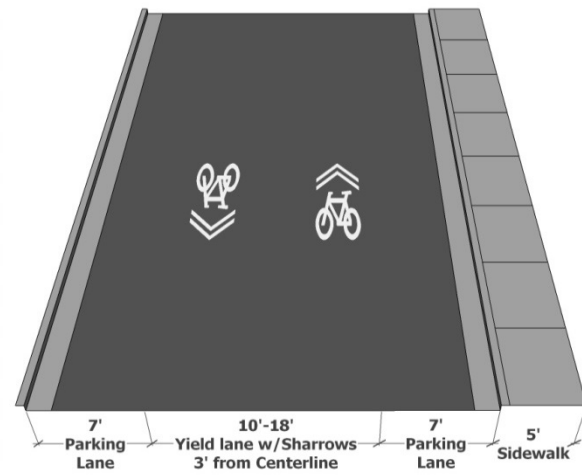


E Columbia St between N Van Buren St and N Cherry St

Maintain Existing



Add Sharrows



Wayfinding Signs

- Route signs
- Decision signs
- Confirmation signs



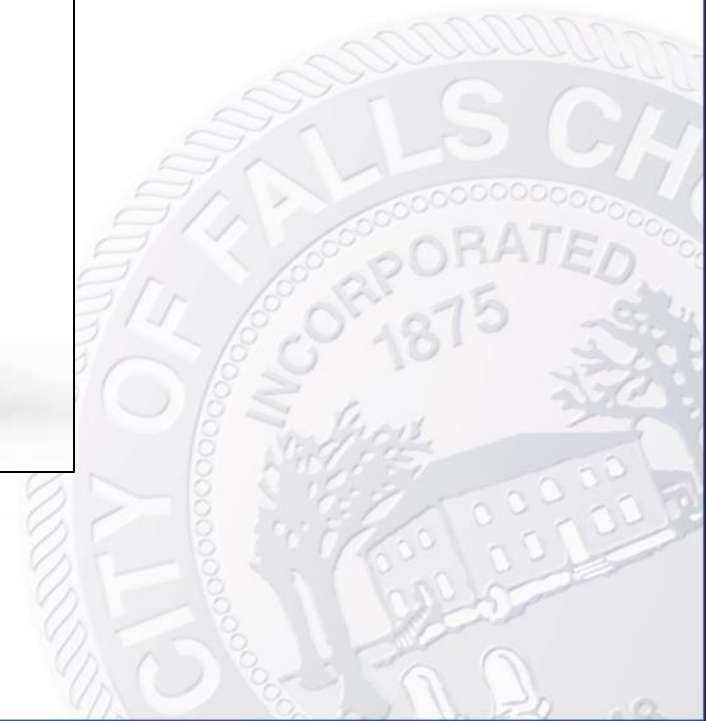
Destinations

- Transportation Links
 - W&OD Trail
 - East Falls Church Metro
 - West Falls Church Metro
- Economic Links
 - Restaurants/Shops
 - Bike Shops
- City Landmarks
 - City Hall Campus
 - Tinner Hill
 - Public Library
 - Parks

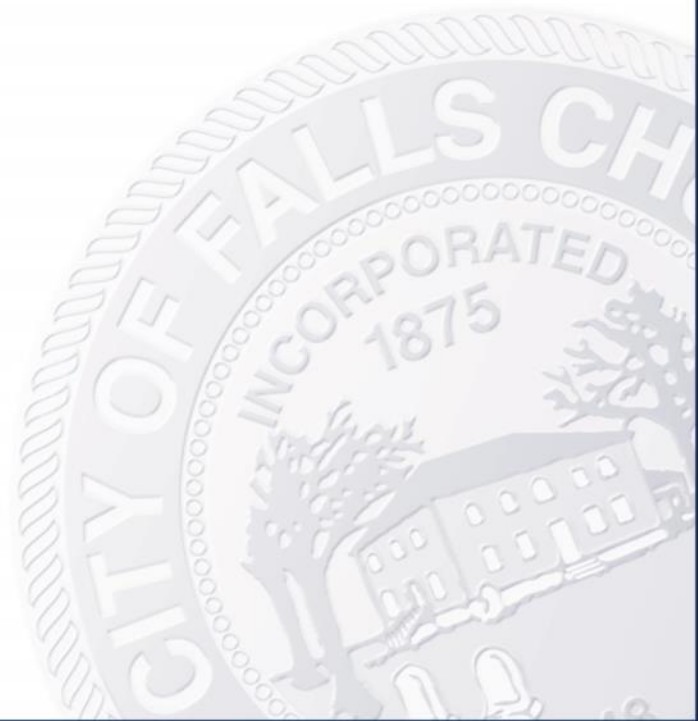
- Places
 - Arlington County
 - Annandale
 - Eden Center
 - Seven Corners



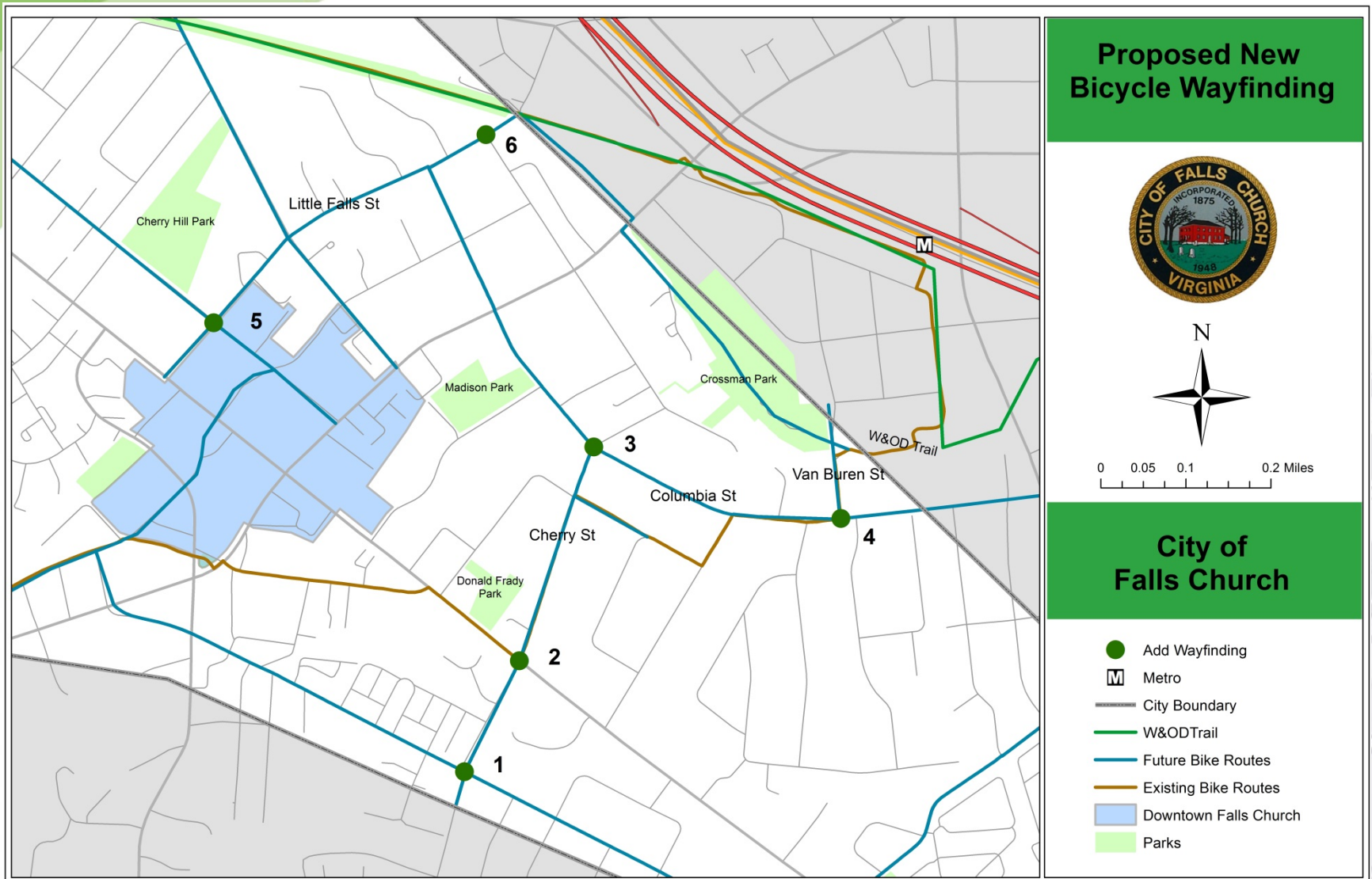
Questions and Discussion



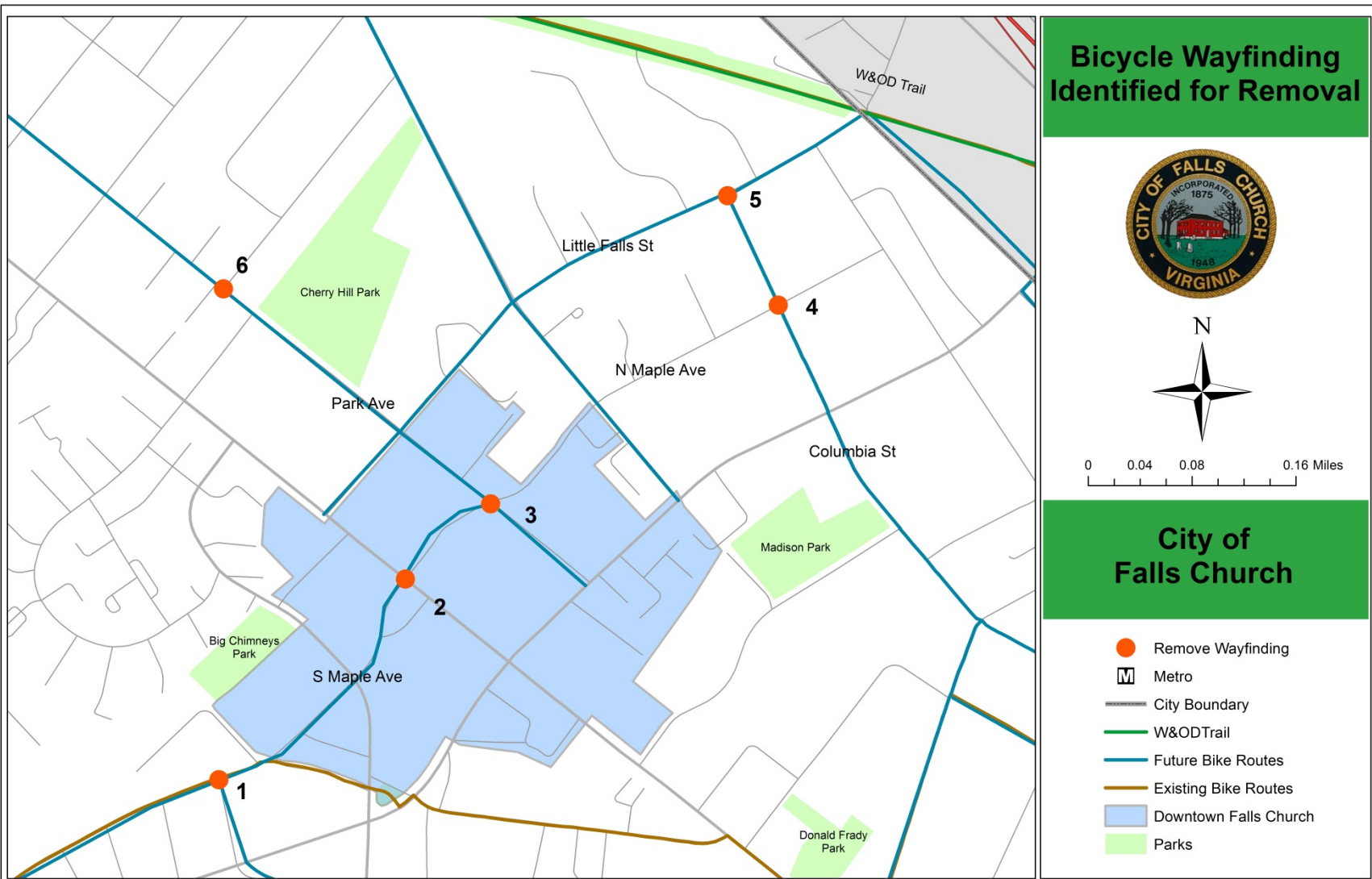
Backup Materials



New Bicycle Wayfinding Options



Bicycle Wayfinding for Removal



Proposed New Bicycle Wayfinding

Location	Direction	Destination 1	Destination 2	Destination 3
	Cherry St, E Columbia St, N Van Buren St			
#1 S Cherry St & Hillwood Ave	Northbound Approach	Tinner Hill <i>Left 0.6</i>	W&OD Trail <i>Forward 0.8</i>	East Falls Church Metro <i>Forward 1.2</i>
	Southbound Approach	Annandale <i>Forward 0.1</i>	Tinner Hill <i>Right 0.6</i>	Eden Center <i>Left 0.8</i>
#2 Cherry St & E Broad St	Northbound Approach	Restaurants/Shops <i>Left 0.3</i>	W&OD Trail <i>Forward 0.7</i>	East Falls Church Metro <i>Forward 1.0</i>
	Southbound Approach	Donald Frady Park <i>Right 0.1</i>	Annandale <i>Forward 0.2</i>	Restaurants/Shops <i>Right 0.3</i>
#3 N Cherry St & E Columbia St	Eastbound Approach	W&OD Trail <i>Forward 0.3</i>	East Falls Church Metro <i>Forward 0.8</i>	
	Northbound Approach	W&OD Trail <i>Right 0.3</i>	East Falls Church Metro <i>Right 0.8</i>	
	Westbound Approach	Madison Park <i>Forward 0.1</i>	Annandale <i>Left 0.5</i>	Restaurants/Shops <i>Forward 0.3</i>
#4 E Columbia St & N Van Buren St	Eastbound Approach	W&OD Trail <i>Left 0.1</i>	East Falls Church Metro <i>Left 0.5</i>	
	Southbound Approach	Madison Park <i>Right 0.4</i>	Annandale <i>Right 0.8</i>	Restaurants/Shops <i>Right 0.9</i>
	Little Falls St			
#5 Little Falls St & Park Ave	Northbound Approach	City Hall Campus <i>Forward 0.1</i>	Cherry Hill Park <i>Left 0.1</i>	W&OD Trail <i>Forward 0.5</i>
	Southbound Approach	Cherry Hill Park <i>Right 0.1</i>	Public Library <i>Right 0.1</i>	Restaurants/Shops <i>Forward 0.1</i>
#6 Little Falls St & W Jefferson St	Southbound Approach	Bike Shop <i>Left 0.1</i>		

Bicycle Wayfinding Identified for Removal

Location	Direction	Destination 1	Destination 2	Destination 3
	S Maple Ave			
#1 S Maple Ave & Gibson St	Northbound	W&OD Trail <i>Forward 0.8</i>		
	N Maple Ave and Park Ave			
#2 Maple Ave & Broad St	Northbound	W&OD Trail <i>Forward 0.5</i>		
	Northbound	W&OD Trail <i>Forward 0.5</i>		
#3 N Maple Ave & Park Ave	Southbound	State Theatre <i>Left 0.1</i>	City Hall Campus <i>Right 0.1</i>	Falls Church Art Space <i>Forward 0.4</i>
	Eastbound	W&OD Trail <i>Left 0.5</i>		
	Westbound	W&OD Trail <i>Right 0.5</i>		
	N Maple Ave and W Columbia St			
#4 N Maple Ave & W Columbia St	Northbound	W&OD Trail <i>Left 0.2</i>		
	Eastbound	Downtown Falls Church <i>Right 0.4</i>		
	Little Falls St			
#5 Little Falls St & W Columbia St	Southbound	Downtown Falls Church <i>Left 0.5</i>		
	Park Ave			
#6 Park Ave & N Virginia Ave	Eastbound	W&OD Trail <i>Forward 0.7</i>		



Park Ave

Refresh Existing Sharrows

